I

KIRKBY URBAN DISTRICT COUNCIL

Annual Report

of the

MEDICAL OFFICER OF HEALTH

1968

Dr. F. W. BUNTING, M.B.E., M.D., D.P.H.,
Medical Officer of Health.

Annual Report
# of the
Medical Officer of Health
1968

To: The Chairman and Members of the Health Committee

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present to you the 11th Annual Report of the Urban District of Kirkby.

As in previous years I would again make reference to the high percentage of those in the lower age groups in the population of Kirkby. This must be kept continually in mind when considering the vital statistics relating to crude birth and death rates, as well as to the death rates relating to diseases more commonly met during the later years of life.

In the calculation of adjusted rates, the comparability factors are provided by the Registrar General.

The population has again shown an increase, due in part to the excess of births over deaths which was 865.

The adjusted birth rate of 18.5 per thousand of the population shows a slight increase compared with the previous year of 17.6.

The mortality rate was 17.6 per thousand of the population which is a slight increase on the previous year of 16.4.

There were 43 deaths amongst infants under the age of 1 compared with 27 during 1967, giving an infant mortality rate of 35. This increase is regretted as the tendancy during recent years has been for the infant mortality rate to decrease. Fortunately, there has been a reduction in the number of stillbirths. I am pleased to record, however, that there were no maternal deaths.

There were 10 deaths due to accidents compared with 21 for 1967. Of these, 3 were as a result of road traffic accidents as compared with 11 in 1967.

The number of cases of pulmonary tuberculosis showed a decrease from 23 in 1967 to 17 in 1968. The number of cases on the Register as at 31st December 1968, was 403 compared with 457 on the same date in 1967.

The work of the Department has been maintained at a very high level during the year. As in previous years, particular attention has been paid by the Staff to food hygiene, and much effort has been concentrated on education of food handlers.

With regard to 'clean air', the only domestic areas within the urban district not now subject to smoke control are the Copplehouse area containing approximately 250 dwellings and the Spinney Close area adjacent to the Industrial Trading Estate, which contains 67 dwellings. In the case of the Copplehouse area, this is, of course, contiguous to the Liverpool County Borough and arrangements will be made for it to be included in a Smoke Control Order at the same time as the Liverpool Corporation consider the Fazakerley area. However, from information to hand, it would appear that this will not be for some years.

For all practical purposes, therefore, I am very happy to report that the Kirkby Urban District is virtually smokeless.

During the year under review, Dr. K. Oldroyd, M.D., Ch.B., D.P.H., took up his appointment as Deputy Medical Officer of Health. This was on the 1st March 1968.

There were no resignations from the Public Health Inspectoral Staff during the year under review. The staff as at 31st December 1968, consisted of -

1. J.R. Winstanley, F.R.S.H., F.A.P.H.I. - Chief Public Health Inspector.
2. A.S. Crowe, M.A.P.H.I., M.R.S.A.(Scot) - Deputy Chief Public Health Inspector.
3. J.R. Skillicorn, M.A.P.H.I. - District Public Health Inspector.
4. G. Wright, M.A.P.H.I. - District Public Health Inspector.
5. G. Traynor, M.A.P.H.I. - District Public Health Inspector.

The remainder of the Departmental staff consisted of -

2 Clerks
1 Junior Clerk
2 Pupil Public Health Inspectors

The Housing Departmental Staff have, during the year under review, been formed into a separate Department. With regard to the post of a second Pupil Public Health Inspector created during the latter part of 1965, this was filled during the year under review.

I wish to take this opportunity of expressing my appreciation of the help received from Mr. Winstanley, Chief Public Health Inspector, Mr. Byron, Clerk of the Council, and from all members of the Health Committee.

I would also like to acknowledge the continued help myself and my Department have received from the General Practitioners in the area.

I am,

Your Obedient Servant,

F.W. BUNTING,
Medical Officer of Health.

General Statistics

Area of the Urban District in acres	4,688
Population estimate (Registrar General's Estimate, June, 1968)	64,190
Density of population (i.e. Number of persons per acre)	13.69
Number of inhabited houses (31st March 1969) according to rate book	14,108

Rateable value £2,147,421

Sum represented by 1d. rate £8,250

EXTRACTS FROM THE VITAL STATISTICS OF THE YEAR

Number of Births:	Males 575:	Females 641:	Total 1,216
Crude Birth Rate			18.9
Birth rate per 1,000 of the population - Adjusted			18.5
Number of deaths:	Males 192:	Females 159:	Total 351
Death rate per 1,000 of the population - Crude			5.5
Adjusted			17.6
Excess of births over deaths			865
Stillbirths			20
Stillbirth rate per 1,000 total births			16
Neo-mortality rate per 1,000 live births			22
Early neo-mortality rate per 1,000 live births			19
Number of deaths of Infants (under age of one year)			43
Infant mortality rate per 1,000 births			35
Deaths from Influenza			Nil
Death rate from Influenza per 1,000 of the population			Nil
Death rate from Cancer per 1,000 of the population			1.25
Death rate from Respiratory Tuberculosis per 1,000 of the population			Nil
Maternal Mortality Rate per 1,000 births			Nil
Number of women dying in consequence of Child Birth			Nil
From Sepsis			Nil
Other Causes			Nil
Death from Measles (all ages)			Nil
Death from Whooping Cough			1
Death from Diarrhoea (under two years of age)			2
Percentage of total deaths occurring in hospital, etc.			66.6

POPULATION

The population returns since 1958 are given below:

Year	Population	Inhabited Houses	Average per House
1958	42,490	9,709	4.37
1959	47.450	10.868	4.39
1960	51.330	11.008	4.66
1961	52.760	11.302	4.67
1962	54,900	11,544	4.75
1963	56,550	11,800	4.79
1964	57,350	11,930	4.80
1965	60,000	13,001	4.61
1966	62,700	13,012	4.82
1967	65,000	13,553	4.80
1968	64,190	14,068	4.56

BIRTHS

	Total	Males	Females
Legitimate	1103	528	575
Illegitimate	113	47	66

Birth rate for England and Wales per 1,000 population 16.9

ILLEGITIMATE BIRTHS

The percentage of births which were illegitimate during each of the past 11 years is as follows:-

1958	2.12
1959	2.65
1960	4.08
1961	4.40
1962	4.00
1963	4.71
1964	5.07
1965	7.68
1966	8.70
1967	8.91
1968	9.29

INFANT MORTALITY

The causes of death of infants during 1968 are recorded in the following:-

Cause of death	Under 1 week	1 - 2 weeks	2 - 3 weeks	3 - 4 weeks	Total under 4 weeks	1 - 3 months	3 - 6 months	6 - 9 months	9 - 12 months	Total No. of deaths
Prematurity	17	-	-	-	17	-	-	-	-	17
Birth Injury	6	1	-	-	7	-	-	-	-	7
Pneumonia	-	-	-	-	-	1	-	1	-	2
Congenital Malformations	-	1	1	1	3	1	1	1	-	6
Gastro Enteritis	-	-	-	-	-	-	1	-	-	1
Burns	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	3	3	4	-	10
TOTALS	23	2	1	1	27	5	5	6	-	43

Causes of, and Ages at, Death during year 1968

	All Ages	Under 1 year	1-4 years	5-14 years	15-24 years	25-44 years	45-64 years	65-74 years	75 years and over
Tuberculosis (Respiratory)	-	-	-	-	-	-	-	-	-
Tuberculosis (other forms)	-	-	-	-	-	-	-	-	-
Syphilitic Disease	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-
Whooping Cough	1	1	-	-	-	-	-	-	-
Meningococcal Infection	-	-	-	-	-	-	-	-	-
Acute Poliomyelitis	-	-	-	-	-	-	-	-	-
Measles	-	-	-	-	-	-	-	-	-
Other infective and parasitic disease	1	-	-	-	-	-	1	-	-
Malignant Neoplasms -									
Stomach	9	-	-	-	-	-	3	4	2
Lung, Bronchus	23	-	-	-	-	-	18	5	-
Breast	8	-	-	-	-	3	2	2	1
Uterus	4	-	-	-	-	-	4	-	-
Other malignant and Lymphatic neoplasms	36	-	1	-	-	7	12	9	7
Leulaemia, alekuamia	1	-	-	-	-	-	1	-	-
Diabetes	4	-	-	-	-	-	1	2	1
Vascular Lesions of nervous system	24	-	-	-	-	2	8	5	9
Coronary diseases, Angina	69	-	-	-	-	4	21	25	19
Hypertension with heart disease	4	-	-	-	-	-	3	1	-
Other heart disease	22	-	-	-	-	3	7	6	6
Other circulatory diseases	12	-	-	-	-	1	-	1	10
Influenza	-	-	-	-	-	-	-	-	-
Pneumonia	20	2	-	-	-	-	4	4	10
Bronchitis	28	-	-	-	-	-	11	14	3
Other diseases of resp. system	12	7	-	-	1	-	2	-	2
Ulcer of stomach, duodenum	3	-	-	-	-	-	1	-	2
Gastritis, enteritis and diarrhoea	2	1	1	-	-	-	-	-	-
Nephritis and Nephrosis	2	-	-	-	-	1	1	-	-
Hyperplasia of prostate	1	-	-	-	-	-	-	1	-
Pregnancy, Childbirth, Abortion	-	-	-	-	-	-	-	-	-
Congenital malformations	8	6	-	1	-	-	1	-	-
Other diseases	44	25	2	2	-	3	4	3	5
Motor vehicle accidents	3	-	-	1	-	-	2	-	-
All other accidents	7	1	-	-	-	-	2	-	4
Suicide	3	-	-	-	-	1	1	1	-
Homicide and War	-	-	-	-	-	-	-	-	-
TOTAL	351	43	4	4	1	25	110	83	81

Deaths from Cancer in all age groups over the past 11 years and rates per 1,000 of population

Year	1 - 14	15 - 44	45 - 64	65 and over	All Ages	Per 1,000 Total population Kirkby	England
1958	-	1	7	6	14	0.53	2.12
1959	-	4	11	9	24	0.50	2.14
1960	-	10	17	13	40	0.77	2.16
1961	-	6	23	21	50	0.95	2.16
1962	-	8	24	13	45	0.86	2.18
1963	1	7	24	19	51	0.90	2.18
1964	1	9	22	17	49	0.85	2.21
1965	1	7	37	27	72	1.20	2.23
1966	2	11	40	21	74	1.18	2.25
1967	1	8	32	33	74	1.16	2.26
1968	1	10	40	30	81	1.25	2.32

Details of Cancer deaths over the past 10 years:-

Year	Site	1-14	15-44	45-65	66-74	75 and over	Per 1,000 Pop'n.	Total All ages M.	F.
1968	Stomach	-	-	3	4	2	0.14	4	5
	Lung Bronchus	-	-	18	5	-	0.36	18	5
	Breast	-	3	2	2	1	0.12	-	8
	Uterus	-	-	4	-	-	0.06	-	4
	Other Sites	1	7	13	9	7	0.57	11	26
1967	Stomach	-	-	4	1	1	0.10	4	2
	Lung Bronchus	-	3	8	10	2	0.46	16	7
	Breast	-	2	1	-	-	0.05	-	3
	Uterus	-	-	5	1	1	0.11	-	7
	Other Sites	1	3	14	9	8	0.55	15	20
1966	Stomach	-	1	6	5	2	0.22	7	7
	Lung Bronchus	-	3	19	4	3	0.46	25	4
	Breast	-	-	3	1	1	0.08	-	5
	Uterus	-	1	2	-	-	0.05	-	3
	Other Sites	2	6	10	3	2	0.37	9	14
1965	Stomach	-	-	4	2	4	0.16	5	5
	Lung Bronchus	-	-	18	6	-	0.4	20	4
	Breast	-	3	1	1	-	0.08	-	5
	Uterus	-	-	1	1	-	0.03	-	2
	Other Sites	1	4	13	7	6	0.51	16	15
1964	Stomach	-	1	2	1	1	0.08	2	3
	Lung Bronchus	-	4	10	3	4	0.37	19	2
	Breast	-	1	-	-	-	0.17	-	1
	Uterus	-	-	-	-	-	0.00	-	-
	Other Sites	1	3	10	7	1	0.38	16	6
1963	Stomach	-	-	5	-	2	0.12	3	4
	Lung Bronchus	-	2	12	-	1	0.26	13	2
	Breast	-	-	4	-	-	0.07	-	4
	Uterus	-	1	1	-	-	0.04	-	2
	Other Sites	1	4	13	-	1	0.41	10	13
1962	Stomach	-	-	2	3	1	0.11	5	1
	Lung Bronchus	-	5	11	2	-	0.33	15	3
	Breast	-	-	2	1	1	0.08	-	4
	Uterus	-	2	-	-	-	0.04	-	2
	Other Sites	-	1	9	1	4	0.28	8	7
1961	Stomach	-	1	2	2	1	0.12	3	3
	Lung Bronchus	-	3	11	6	2	0.42	19	3
	Breast	-	1	-	-	4	0.08	-	5
	Uterus	-	-	-	-	-	Nil	-	-
	Other Sites	-	1	10	5	1	0.32	8	9
1960	Stomach	-	3	4	1	2	0.19	8	2
	Lung Bronchus	-	1	5	3	-	0.17	9	0
	Breast	-	1	1	1	-	0.06	-	3
	Uterus	-	1	-	-	-	0.02	-	1
	Other Sites	-	4	7	3	3	0.33	8	9
1959	Stomach	-	-	3	1	-	0.08	3	1
	Lung Bronchus	-	-	3	1	1	0.12	4	1
	Breast	-	-	2	-	-	0.04	-	2
	Uterus	-	-	1	1	-	0.04	-	2
	Other Sites	-	4	2	3	2	0.23	5	6

Diseases of the Respiratory System:

The following table shows the death rate per 1,000 of the population from diseases of the respiratory system which occurred in the Urban District, together with corresponding data for England and Wales:-

Diseases	Kirkby	England and Wales
Influenza	Nil	Not available
Pneumonia	0.31	Not available
Bronchitis	0.45	Not available
Other diseases of the respiratory system	0.17	Not available
Cancer of lung and bronchus	0.36	0.59
Respiratory Tuberculosis	Nil	0.030

Details of deaths due to accidents:

(a) Cause of accidental deaths in age groups - 1968

Cause	Under 1 year	1 - 4 years	5 -14 years	15-44 years	45-64 years	65-74 years	75 years and over	All Ages
Road Traffic accidents	-	-	1	-	2	-	-	3
Falls	-	-	-	-	1	-	2	3
Drowning	-	-	-	-	-	-	-	-
Coal gas poisoning	-	-	-	-	-	-	-	-
Other accidental deaths	1	-	-	-	-	-	2	3
Works accidents	-	-	-	-	1	-	-	1

(b) Principal causes of accidental deaths during the year 1968

ALL CAUSES	ROAD TRAFFIC	WORKS
10	3	1

The following tables summarize the vital statistics of the District:-

	Live Births		Deaths		Still Births	
Year	Number Registered	Rate per 1,000 pop'n.	Number Registered	Rate per 1,000 pop'n.	Number Registered	Rate per 1,000 total births
1958	901	28.3	141	4.4	30	32.2
1959	1432	30.2	206	4.3	41	27.8
1960	1471	28.7	239	4.7	48	31.6
1961	1432	27.1	241	4.6	31	21.2
1962	1410	25.7	252	4.6	35	24.2
1963	1253	22.2	249	4.4	16	12.6
1964	1240	21.6	247	4.3	27	21.3
1965	1067	17.8	306	5.1	17	15.7
1966	1114	17.8	330	5.3	26	22.8
1967	1122	17.6	323	5.1	24	21.0
1968	1216	18.9	351	5.5	20	16.0

	MATERNAL MORTALITY		INFANT MORTALITY					
			Total		Neo-natal		Peri-natal	
Year	No. of deaths reg.	Rate per 1,000 total births	No. of deaths reg.	Rate per 1,000 total births	No. of deaths reg.	Rate per 1,000 total births	No. of deaths reg.	Rate per 1,000 live and stillbirths
1958	-	-	33	36.0	26	24.4	Not available	
1959	-	-	53	37.0	35	24.4	76	50.9
1960	2	1.32	55	37.4	34	23.1	82	52.0
1961	-	-	41	28.6	26	18.2	57	36.9
1962	-	-	43	30.5	30	21.3	65	43.6
1963	-	-	38	30.3	27	21.5	43	33.9
1964	1	0.79	37	29.8	22	17.7	49	37.1
1965	1	0.92	33	30.9	20	18.7	37	33.2
1966	1	0.88	28	25.1	20	18.0	46	36.8
1967	-	-	27	24.1	18	16.0	42	37.0
1968	-	-	43	35.0	27	22.0	47	38.0

Note: i) the neo-natal death rate is the deaths among live born infants under four weeks of age per 1,000 live births.

ii) the peri-natal mortality rate is a term that has come into use in recent years to describe the combination of stillbirths with the early neo-natal deaths (Under one week of age) per 1,000 total births, i.e. live and still.

Vital Statistics

The following provisional figures based on the Registrar General's Quarterly Return of birth and death rates, together with case rates for certain infectious diseases for England and Wales are shown, together with corresponding data in respect of the Urban District of Kirkby.

		England and Wales Rates per 1,000 population	Urban District of Kirkby Rates per 1,000 population
Births	Live births	16.9	18.9
	Still births	14.3 (a)	16.0 (a)
Deaths	All causes	11.9	17.6
	Tuberculosis (all forms)	0.043	-
	Respiratory	0.030	-
	Non-respiratory	0.013	-
	Cancer (all forms)	2.32	1.26
	Lung and Bronchus	0.59	0.36
	Other cancer	1.72	0.93
	Maternal mortality (total)	0.24 (a)	- (a)
	Maternal causes (excluding abortion)	0.18 (a)	- (a)
	Due to abortion	0.06 (a)	- (a)
	Infant mortality	18.3 (b)	0.35 (b)
	Neo-natal mortality	12.4 (b)	22.0 (b)
Notifications (corrected)			
	Typhoid Fever	0.002	-
	Paratyphoid Fever	0.001	-
	Meningococcal Infection	0.009	-
	Scarlet Fever	0.306	0.187
	Whooping Cough	0.357	0.623
	Diphtheria	-	-
	Erysipelas	0.020	-
	Smallpox	-	-
	Measles	4.860	3.396
	Acute pneumonia	0.147	-
	Acute poliomyelitis:		
	Paralytic	-	-
	Non-paralytic	-	-
	Acute encephalitis		
	Infective	0.002	-
	Post-infectious	0.001	-
	Dysentery	0.401	0.639
	Food Poisoning	0.122	0.883
	Puerperal Pyrexia	0.083	-
	Tuberculosis: Respiratory	0.220	0.249
	Meninges & C.N.S.	0.001	0.015
	Other	0.044	0.031
	Anthrax	-	-

(a) per 1,000 total (live and still) births

(b) per 1,000 live births

Prevalence of and Control over Infectious Diseases

(1) Notifiable Diseases during the year 1968

	Total Cases Notified	Total Deaths
Diptheria	-	-
Scarlet Fever	12	-
Paratyphoid	-	-
Dysentery	41	-
Puerperal Pyrexia	7	-
*Acute Pneumonia	-	-
Erysipelas	-	-
Opthalmia Neonatorum	-	-
Enteric Fever	-	-
Infective Jaundice	8	-
Meningococcal Infections	-	-
Measles	218	-
Whooping Cough	40	1
Acute Polioencephalitis	-	-
Acute Poliomyelitis -	-	-
Paralytic	-	-
Non-paralytic	-	-
Food Poisoning	57	-
Tuberculosis -		
(a) Pulmonary (M)	11	-
(F)	6	-
(b) Non-Pulmonary (M)	1	-
(F)	2	-

*Acute Pneumonia - Not including bronchial pneumonia -

(2) Analysis of Notifiable Diseases in Age Groups:

	Total cases at all ages	0-	1-	2-	3-	4-	5-9	10-14	15-24	25 and over	Age Unknown
Scarlet Fever	12	1	2	1	2	-	5	-	1	-	-
Whooping Cough	40	5	6	3	8	7	10	-	1	-	-
Acute Poliomyelitis	-	-	-	-	-	-	-	-	-	-	-
Paralytic	-	-	-	-	-	-	-	-	-	-	-
Non-Paralytic	-	-	-	-	-	-	-	-	-	-	-
Measles (excluding rubella)	218	14	36	41	43	33	48	-	-	-	3
Diphtheria	-	-	-	-	-	-	-	-	-	-	-
Dysentery	41	6	4	1	2	2	8	3	7	8	-
Meningococcal Infection	-	-	-	-	-	-	-	-	-	-	-
Opthalmia neonatorum	-	-	-	-	-	-	-	-	-	-	-

(3) Analysis of Notifiable Diseases in Age Groups (continued)

	Total cases in all ages	Under 5	5-14	15-44	45-64	65 and over	Age Unknown
Acute pneumonia (prim and infl' zal)	-	-	-	-	-	-	-
Smallpox	-	-	-	-	-	-	-
Acute Encephalitis:							
Infective	-	-	-	-	-	-	-
Post-infective	-	-	-	-	-	-	-
Infective Jaundice	8	1	5	1	1	-	-
Enteric or typhoid fever	-	-	-	-	-	-	-
Erysipelas	-	-	-	-	-	-	-
Food Poisoning	57	8	8	35	5	-	1
Tuberculosis:							
Respiratory	17	-	3	6	7	1	-
Meninges and C.N.S.	1	1	-	-	-	-	-
Others	2	-	1	1	-	-	-
Puerperal pyrexia	7	-	-	7	-	-	-
Other Notifiable diseases	-	-	-	-	-	-	-

Ophthalmia Neonatorum

There were no cases of Opthalmia Neonatorum notified during the year.

Acute Anterior Poliomyelitis

There were no cases of Acute Anterior Poliomyelitis notified during the year.

Diphtheria

There were no cases of Diphtheria notified during the year.

Tuberculosis

The number of cases of tuberculosis and all deaths from the disease during the year will be found in the following table.

Age periods years	NEW CASES Pulmonary M	NEW CASES Pulmonary F	NEW CASES Non-Pulmonary M	NEW CASES Non-Pulmonary F	DEATHS Pulmonary M	DEATHS Pulmonary F	DEATHS Non-Pulmonary M	DEATHS Non-Pulmonary F
Under 5 years	-	-	-	1	-	-	-	-
5 - 14 years	2	1	1	-	-	-	-	-
15 - 24 years	3	-	-	-	-	-	-	-
25 - 44 years	-	3	-	1	-	-	-	-
45 - 64 years	5	2	-	-	-	-	-	-
65 upwards	1	-	-	-	-	-	-	-
TOTAL	11	6	1	2	-	-	-	-

There was a DECREASE in the number of notified cases of pulmonary tuberculosis compared with the previous year, i.e. 17 compared with 23. There was an increase in the number of cases of non-pulmonary tuberculosis as compared with last year i.e. 3 compared with 2.

Laboratory Facilities

There were 698 routine specimens submitted to the Public Health Laboratory for bacteriological examinations, made up of the following:-

Faeces	Urine	Various Foods	Ice-cream	Total
586	Nil	39	73	698

Note: Of the ice-cream samples referred to above, all were submitted for the Methylene Blue Test. The results are referred to in the particular paragraph on ice-cream on page 18.

Sanitary Inspection of the District

A record of the work of the Public Health Department is as follows:-

Defects or Nuisances:

Number discovered	470
Number abated	467
Number being dealt with	3
Number of informal notices served	456
Number of statutory notices served	6
Number of legal proceedings taken	Nil
Number of premises visited	7,098
Number of visits made	9,449

Premises kept under observation

	No. of premises	No. of inspections
Factories	131	186
Food Premises (including 107 licensed premises, clubs, canteens etc.)	198	3,661
Mobile Food Hawkers	30	361
Shops selling ice-cream	19	107
Caravans (including gypsy-type caravans)	30	73
Visits to premises where infectious diseases have occurred	310	976
Number of premises disinfected after cases of infectious disease	Nil	Nil
Schools	36	100

REFUSE COLLECTION AND DISPOSAL

Since the inception of the Authority in 1958 the reponsibility for refuse collection and disposal rests in the hands of the Public Health Department. With the exception of holiday periods weekly collections have been maintained throughout all the districts in domestic properties.

Liverpool Corporation multi-storey flats are equipped with 20 cu. ft. bulk storage containers and these, as in previous years, are emptied three times a week by one of the Council's Specialist Dustless Vehicles.

A twice weekly collection has been maintained at all shops and schools throughout the Urban District. However, with regard to the collection from shops, a system has been introduced during the year 1968 which ensures that the shopkeeper pays for this service on an annual contractual basis rather than by the purchase of bin tickets each week. This has, of course, reduced the office work involved. The situation is to be reviewed at the end of each financial year to take account of any variation in the amount of refuse collected from individual shops.

The use of paper sacks for refuse collection was introduced in 1964 in some 2,000 three-storey flats. This, of course, was done essentially for a hygienic reason, and in this connection was aimed at eliminating the small narrow chutes in operation at that time. The system has since been extended to all newly built dwellings constructed by the Urban District Council on the Tower Hill and Kirkby Park Estates. In addition, the Liverpool Corporation have introduced the system in a small two-storey infill development.

The total number of premises using paper sacks in now approximately 3,500 - 25% of the total domestic properties within the Urban District.

The Incentive Bonus Scheme introduced in November 1963, has continued sucessfully. During 1968 the average weekly bonus per man was £3 0s. 0d. This compares with £2 15s. 6d. per week in the year 1967.

The collection and disposal of paper salvage continued during 1968, but the difficulties of disposal continued. In addition, the costs of collection exceeded the total proceeds from the sale of paper. Indeed, since the end of 1968, and whilst preparing the estimates for the year 1969/70, the Council has decided to discontinue this service - at any rate for the time being.

The removal of all extraneous bulky domestic refuse, e.g. furniture, bedding, etc., has continued on a regular basis throughout 1968. There were 798 requests for this service, all of which were dealt with within a matter of days. There continued to be no restrictions placed on the quantities of refuse which may be removed in this way and no charge is made. It is felt that the Department is assisting generally in establishing a tidier town.

The collection of bulk trade refuse from factories has continued and, as in previous years, this work is done on a repayment basis. The total income received in connection with this work during the year ended 31st March 1969, was £789 1s. 10d.

The sum of £9,458 11s. 6d. was collected in connection with tipping fees compared with the figures of £7,122 for the previous year.

DISINFESTATION

378 dwellings were treated for verminous infestation. The Department encourages householders to carry out this work themselves on a small scale and for this purpose supply suitable insecticide. On the other hand any major infestation is dealt with by a member of the Public Health Department Staff.

RODENT CONTROL

One full-time Rodent Operator is employed by the Local Authority. The current Rodent Operator is, like all his predecessors, fully trained and has attended a full-time course on rodent control organised by the Ministry of Agriculture, Fisheries and Food.

A summary of the work carried out during the period under review is as follows:-

	Type of Property	
Properties other than Sewers	Non-Agricultural	Agricultural
1. Number of properties in district.	15,632	23
2. (a) Total number of properties including nearby premises inspected following notification	913	15
(b) Number infested by		
(1) Rats	354	14
(2) Mice	559	1
3. (a) Total number of properties inspected for rats and mice for reasons other than notification	770	12
(b) Number infested by		
(1) Rats	109	6
(2) Mice	130	0

SEWERS

The usual testing and treatment of the sewerage system in the district has been carried out. There was a complete freedom from infestation. The treatment involved the checking of 248 manholes and 496 visits.

During the year continued efforts were made to secure the co-operation of local farmers and factory management to ensure that their premises were regularly treated against rodent infestation. In the connection I am pleased to inform the Committee that improvements have continued to be maintained and the number of contracts now being undertaken by the Department is 30 at a total cost of £285.

HOUSING ACTS, 1936/63

There has been no action under this legislation for closure of any properties, nor have any 'clearance areas' been declared. Whilst there has been no official action under the Housing Acts there has, as in previous years, been a considerable amount of repair work carried out. This has been mainly in new properties owned by the Liverpool Corporation. This work has resulted from informal action and has involved 1,135 inspections and has secured the repair of 236 dwellings.

RENT ACT, 1957

There have been no applications for 'Certificates of Disrepair' during the year under review. In this connection it must be remembered, however, that over 90% of the properties are owned by the Liverpool Corporation or this Authority, and almost all the balance are owner-occupied.

ATMOSPHERIC POLLUTION AND SMOKE ABATEMENT

All incidents of excessive smoke have been investigated and factory managements interviewed. The Department has continued to receive the fullest co-operation from factory management and there is a considerable amount of visible proof, particularly on the Trading Estate, of the effectiveness of such co-operation During the year there were no 'Notices of Proposal to Install New Boilers'.

The Authority continues to be an active member of the West Lancashire and Cheshire Regional (Smoke Abatement) Committee, which, as the Committee are no doubt aware, consists of representatives of all Merseyside Authorities. Your representatives during the year under review were the Chief Public Health Inspector, Mr. J.R. Winstanley, F.R.S.H., F.A.P.H.I., and your Chairman of the Health and Housing Committee, Councillor Mrs. E.B. Rose, J.P.

The Kirkby (No.4) Smoke-Control Order came into operation on 1st October, 1966. This Order, together with the previous three Orders, virtually completed the Smoke Control of the Domestic and Industrial Areas of the Urban District. The only exceptions are the Fazakerley/Copplehouse and Spinney Close areas. In the case of the Fazakerley/Copplehouse area, this is contiguous with the Liverpool/Fazakerley boundary and is likely to be considered for smoke control at the same time as Liverpool Corporation considers making an Order for the adjacent Fazakerley area, included in the Liverpool Corporation boundary. However, I am given to believe that this is likely to be some years ahead. The Fazakerley/Copplehouse area included within the Urban District contains only 250 dwellings.

In the case of the Spinney Close area to the south of the Trading Estate, this contains only 67 domestic dwellings.

On 31st March 1968, there were 14,108 domestic properties within the Urban District, and the overall effect of the four above-mentioned Smoke Control Orders is to ensure that approximately 13,500 domestic properties are, in fact, subject to smoke control. In other words, the smoke control of the domestic part of the Urban District is virtually complete.

The work of the Department in this respect will, during the coming year, be confined to observing domestic properties for emission of smoke. This particular work was made difficult until recently by the fact that it was still within the Law for coal merchants to sell bituminous coal in smoke control areas. However, I am pleased to report that the Clean Air Act, 1968 now makes it an offence to take delivery of coal or, in fact, to deliver coal to a domestic property situated within a smoke control area. It follows, therefore, that a considerable effort will be made during the coming months to ensure that this legislation is used to the proper extent. Only in this way can the effect of the smoke control of the Urban District be made effective, and the health of the inhabitants protected from adverse smoke pollution.

Clean Air Act 1956

Details of Proposed and Operative Smoke Control Areas

No.	Area Boundaries	Acreage	No. of dwellings	No. of other premises	Included in Smoke Control Area No.	Operative Date
1	Gaywood Avenue, Moorgate Road, Ribblers Lane, Rockford Avenue, Bewley Drive, Broad Lane, Gaywood Avenue.	114.2	935	6	1	1st July, 1962
2	Henlow Avenue, Broad Lane, Bewley Drive, Rockford Avenue, Ribblers Lane, Tithebarn Lane, Bewley Drive, Leeside Avenue, Henlow Avenue.	166.7	1002	23	1	1st July, 1962
3	County Road (Delph Lane), Moorgate Road, Gaywood Avenue, Broad Lane, Park Brow Drive, County Road.	122.8	1057	16	1	1st July, 1962
4	County Road, Park Brow Drive, Broad Lane, Henlow Avenue, Leeside Avenue, Bewley Drive, Cherryfield Drive, Webster Drive, County Road.	100.1	862	7	3	1st July, 1963.
5	County Road, Webster Drive, Cherryfield Drive, Bewley Drive, New County Road (East of Tithebarn Lane), Hall Lane, County Road.	138.1	136	24	3	1st July, 1963
6	Kirkby Row, Sidney Powell Avenue, Richard Hesketh Drive, James Holt Avenue, Whitefield Drive, New County Road (running South), New County Road (to South of Eastfield Walk and Westfield Walk), Railway Line, Kirkby Row.	183.4	1695	10	3	1st July, 1963.
7	School Lane, Hall Lane, New County Road (East of Tithebarn Lane), Whitefield Drive, James Holt Avenue, Richard Hesketh Drive, Sidney Powell Avenue, Kirkby Row, Railway Line, School Lane.	210.3	750	7	3	1st July, 1963.
8	Quarryside Drive, Simonswood Lane, New County Road, Old Rough Lane, Minstead Avenue, Quarryside Drive.	107.5	1202	21	4	1st October, 1966.
9	Brook Hey Drive, Simonswood Lane, Quarryside Drive, Minstead Avenue, Old Rough Lane, Roughwood Drive, Brook Hey Drive,	110.7	1250	5	4	1st October, 1966.
	Total carried forward	1143.1	7639	114	15	

Details of Proposed and Operative Smoke Control Areas (contd.)

No.		Acreage	No. of dwellings	No. of other premises	Included in Smoke Control Area No.	Operative Date
	Total brought forward ...	1143.1	7639	114		
10	The Line immediately north of Northwood neighbourhood unit, Simonswood Lane, Brook Hey Drive, Roughwood Drive, Bramcote Walk immediately north of Northwood neighbouring unit - plus green belt area situated west of Northwood which is to be occupied by three schools.	204.1.	200	4	4	1st October, 1966.
11	Moor Lane, River Alt (flowing in-land) boundary line between Kirkby Urban District and Liverpool C.B.C., Longmoor Lane, Moor Lane.	124.8	177	7	-	To be controlled at same time as Liverpool C.B.C. Fazakerley Area.
12	Boundary between Kirkby Urban District and West Lancashire Rural District at a point immediately North of the Ministry of Supply Sewerage Works adjacent to the Malayan Training College and running north east until junction with Prescot Road, Glovers Brow, Railway Line, Ministry of Supply Sewerage Works.	98.3	240	130	2	1st July, 1962.
13	Boundary between Kirkby Urban District and West Lancashire Rural District at junction of Prescot Road and following boundary to junction with Bank Lane, School Lane, Railway Line, Glovers Brow, Junction Glovers Brow with Kirkby U.D.C. boundary.	128.2	3	1	3	1st July, 1963.
14	Boundary Kirkby Urban District and West Lancashire Rural District at junction with Bank Lane and following boundary north east and then south east to junction with railway, School Lane, Bank Lane to junction with boundary of Kirkby Urban District.	262.9	5	1	4	1st October, 1966.
	Total	2072.1	9514	262	-	

The number of dwellings, i.e. 9,514 quoted above was, in fact, the number of domestic properties within the areas concerned when the original smoke control plans of the Authority were made some five years ago. The number of dwellings within the same areas, which includes the Copplehouse area (No.11 above) as at the 31st March, 1968, was approximately 14,000.

CLOSET ACCOMMODATION

The number of dwellings using privy-middens is four, whilst the number of tenants using pail closets is forty-six.

NATIONAL ASSISTANCE ACT, 1948

It was necessary to invoke the provisions of Section 50 of the National Assistance Act, 1948, on one occasion. As the Committee members will be aware, these provisions lay down the responsibility of Local Authorities in disposing of the bodies of persons who have died within the Urban District, and where the deceased have no 'liable' relatives. The same provisions make it also the responsibility of Local Authorities to dispose of bodies where there are liable relatives available but who have not the financial resources to bury their relatives.

The one occasion referred to above occurred in April, 1968. The details are as follows:-

On the 19th April 1968, a 72 year old old age pensioner died. As far as could be ascertained there were no known relatives. The Police requested this Authority to make the necessary arrangements for the funeral. The funeral took place on the 27th April, 1968, at a cost of £30 0s. 0d. Subsequently, a claim was submitted on behalf of this authority for the Death Grant which amounted to £15 0s. 0d.

INSPECTION AND SUPERVISION OF FOOD

Food and Drugs Act, 1955

Milk Supply

Since 1953 the area administered by the Urban District has formed part of a 'Specified Area'. This means that dealers who retail milk in the District must sell only designated milk. Since the 1st January 1965, the term 'Designated Milk' includes 'Pasteurised, Sterilised, Untreated and Ultra-heat Treated'.

As in former years, by far the greater proportion of the retail supply of milk within the Urban District was supplied by dealers situate outside the District. There are two 'depots' on the Kirkby Industrial Estate which are owned by two of the above-mentioned dealers, from which milk is delivered to Kirkby residents on a daily basis. The milk pasteurising and sterilising plant, which in previous years had been within the District has since closed.

During the year there were 71 samples of milk submitted for chemical analysis, together with 27 samples for bacteriological examination. Of the 27 samples, 16 were submitted to the methylene blue test, one of which failed the test. The other 11 samples were submitted to the turbidity test. There were no failures of these last 11 samples The one sample which failed the methylene blue test was the subject of an investigation.

Ice-Cream

73 samples were taken and submitted to the Public Health Laboratory for the Methylene Blue Test. The results were classified as follows:-

Grade	Samples
1	30
2	15
3	11
4	17
Total	73

These samples were taken from street trading vehicles and from premises, including an ice-cream factory, in the District.

Ice cream is submitted to the methylene blue test in order to ascertain its general bacteriological standard of cleanliness. It is not a test to ascertain the presence of any particular organism. In interpreting these results, it can be considered that grades 1 and 2 are satisfactory. Samples of ice cream continually reported as grade 3 are the subject of an investigation, whilst on the other hand any grade 4 results are investigated without delay. In previous years the bulk of unsatisfactory samples was obtained from soft ice cream vehicles. In the case of 'soft ice cream' the ingredients which have been previously sterilised, are put into a refrigerated machine on the sales vehicle and the ice cream is manufactured on the vehicle. During the year under review 7 unsatisfactory samples in grade 3 and 15 in grade 4 were obtained from ice cream vans. In most cases it was 'soft ice cream'. In each case the appropriate investigations took place which I hope will ensure satisfactory standards for the future.

In addition to the above there were four grade 3 and two grade 4 samples from the local ice cream factory. These, however, were isolated samples and were a small number of a much larger number of samples taken from the premises during the year. In the case of the factory I am satisfied that all the necessary precautions are taken to ensure a satisfactory product.

Storage, Preparation and Sale of Food

The Department has continued to place very great importance on the supervision of premises involved in the storage, preparation and sale of food. There are 198 food premises in the district, and during the year under review 3,361 visits were made to these premises. This compares with 2,124 visits made in 1967.

During the year 19 premises continued to be registered for the sale of ice cream and 9 for the manufacture of sausages, etc. In addition to the above, there is one ice cream factory and one soft ice cream depot in the area. There were 149 inspections of the premises registered for sale of ice cream and manufacture of sausages, etc.

At the beginning of the year under review, it was estimated that there were approximately 30 mobile food traders operating in the district and during the year 361 visits were made to these mobile food vehicles. In this connection the term Mobile Food Hawker includes Mobile Ice Cream Hawker. Whilst the number of 'Mobiles' operating throughout the area is substantially the same as the previous year, this number should be compared with the numbers referred to in my report for 1959, i.e. 200.

Unsound Food

The following unwholesome food was condemned during the year:-

Item	Tons	Cwt.	Lbs.
Meat at wholesale premises		17	74
Meat at retail premises		2	65
Canned meats		7	76
Other canned foods	7	6	92
Other foods		14	45
	9	9	16

Food Sampling

This Authority became the Food and Drugs Authority for the area on the 1st April 1964. During the year ending 31st December 1968, routine sampling has taken place. There were 211 samples of food and drugs submitted to the County Analyst for analysis purposes. Of these 12 (5.7%) were adulterated or otherwise giving rise to an irregularity. Details of the 12 unsatisfactory samples and the action taken thereon are set out hereunder.

Number of Sample	Description	Nature of Adulteration or irregularity	Observations
	Bread (Purchaser's complaint)	Contained a common housefly (Musca Domestica) weighing 4 milligrams.	Bakery cautioned.
1221	Custard Pie (Purchaser's complaint)	Surface of the custard on one half of the pie was marked with pale green spots which contained traces of copper, Copper in the custard surface 12 parts per million equivalent to copper in pie 3.7 parts per million.	Source of contamination ascertained and complainant informed.
1267	Lemon Cheese (Informal)	Soluble solids by refractometer only 60.1 per cent. Should be 65 per cent.	Vendor interviewed and manufacturer communicated with.
1294	Pork Pie, part of (Purchaser's complaint)	Contained 0.290 gramme of Polyphosphate emulsifying salts)	Bakery and complainant informed.
1304	Salmon Paste (Purchaser's complaint)	Sample stale and beginning to putrify when received in the laboratory but free from toxic metals and arsenic.	Complainant informed.
1335	Steak and Kidney Pie (Informal)	Meat content of pie 22.5 per cent equivalent to 1.4 ounce of meat in the 6.1 ounce pie. Recommended meat content 25.0 per cent or 1½ ounce meat in a pie not exceeding 7 ounce in weight.	Bakery informed.

Number of Sample	Description	Nature of Adulteration or irregularity	Observations
1374	Hamburgers in Gravy, canned (informal)	Meat content 52.0 per cent. Recommended minimum meat content for this type of product 60.0 per cent.	Manufacturer communicated with
1419	Pork Sausages (informal)	Meat content 55.5 per cent. Recommended minimum meat content 65.0 per cent	Vendor interviewed.
1456	Pork Sausages (informal)	Meat content 54.0 per cent. Recommended minimum meat content 65.0 per cent.	Vendor interviewed.
1469	Sterilised Cream (informal)	Milk fat content only 21.2 per cent. Deficient of 7.8 per cent of the minimum milk fat content for canned sterilised cream.	Further samples genuine.
1544	Meat and Potato Pie (informal)	Meat content of pie only 10..0 per cent. Should contain not less than 12,5 per cent meat or be named 'Potato and Meat Pie'.	Manufacturer interviewed and cautioned.
1548	Meat, canned (complaint)	(1) Meat content 90 per cent. (2) Contained two small fragments of meat of purple hue caused by traces of iron sulphide (probably natural to the meat). (3) When received in the opened can the outer edges were paler in colour than the centre. (4) The product had a speckled appearance caused by coarsely chopped cured meat being mixed with ordinary meat.	No action advised.

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

In Kirkby, as far as is known, the necessary registrations required under the Offices, Shops and Railway Premises Act, 1963, have been completed. The details of the various premises are as set out below:-

Type of premises (1)	No. of premises registered (2)	No. of premises to be registered (3)	Total premises (4)
Offices	40	Nil	40
Retail Shops	151	Nil	151
Wholesale Shops	5	Nil	5
Catering Establishments	20	Nil	20
Fuel Storage Depots	0	Nil	0
Total	216	Nil	216

During the year there were 139 visits to premises under the provisions of the Act, all of which involved general inspections. During these inspections there were the following infringements noted the bulk of which were remedied almost immediately.

Infringement		Shops	Offices
Cleanliness		-	Nil
Temperature		2	Nil
Lighting		1	Nil
Clothing accommodation		-	Nil
Seating facilities		-	Nil
Floors, passages and stairs		-	Nil
First Aid		3	Nil
Other Matters	Total	6	

The area administered by this Urban District is essentially a 'New Town' consisting, of over 12,500 local authority dwellings together with a very large Industrial Estate.

The offices attached to the factories are, of course, supervised by the factory inspector.

There are 40 offices in 'the Town' all of which were visited during the year. The general standard of these offices is satisfactory.

FACTORIES ACTS, 1937 to 1959

Part 1 of the Act

(1) Inspection for purposes of provisions as to health (including inspections made by the Public Health Inspectors)

		NUMBER OF:-		
	No. on Register	Inspections	Written Notices	Occupiers prosecuted
(i) Factories in which Section 1, 2, 3, 4, and 6 to be enforced by Local Authorities	1	3	Nil	Nil
(ii) Factories not included in (i) which Section 7 is enforced by the Local Authority	130	183	Nil	Nil
(iii) Other premises in which Section 7 is enforced by the Local Authority (excluding out-works premises)	Nil	Nil	Nil	Nil
Total	131	186	Nil	Nil

(2) Cases in which defects were found. (If defects are discovered at the premises on two, three or more separate occasions, they should be reckoned as two, three or more 'cases').

Number of Cases in which defects were found					
Particulars (1)	Found (2)	Remedied (3)	To H.M. Inspector (4)	By H.M. Inspector (5)	Number of cases in which prosecutions were instituted (6)
Want of Cleanliness					
Overcrowding (S 2)					
Unreasonable temperature (S 3)		N	I	L	
Inadequate ventilation (S 4)					
Others					
Ineffective drainage of floors (S 6)					
Sanitary conveniences (S 7)					
(a) Insufficient					
(b) Unsuitable or defective	1	1			
(c) Not for separate sexes					
Other offences against the Act (not including offences relating to Outwork)		N	I	L	

Part VIII of the Act

OUTWORK

	(Section 110 and 111)				Section 110	
Nature of Work	No. of out-workers in August list required by Section 133 (1) (c) (2)	No. of cases of default in sending Lists to the Council	No. of prosecutions for failure to supply list	No. of instances of work in un-wholesome premises	Notices served	Prosecution
Envelope making						